FIRE LOSSES IN BRITISH COLUMBIA IN 1986

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SUMMARY OF FIRE LOSSES IN BRITISH COLUMBIA, 1986

In 1986, British Columbia had the lowest number of fire deaths in thirty-three years. Fifty-eight persons died and 343 were injured as a result of 7667 fires in 1986, causing a total dollar loss of $109,834,964. The losses for the last eight years have been as follows:

Year	Number of Fires	$ Loss (millions)	$ Loss (Millions) Adjusted for Inflation to 1981 Constant $	Number Injured	Number Dead
1986	7,667	109.8	84.9	343	58
1985	8,285	131.9	105.3	398	60
1984	7,237	108.9	89.7	396	79
1983	7,724	131.7	112.9	404	83
1982	7,623	157.3	142.3	375	73
1981	7,023	115.7	115.7	244	76
1980	7,605	108.7	124.2	308	77
1979	7,655	105.9	132.4	444	125

The average loss per fire for the province in 1986 was $14,326 and the per capita loss was $38.41, down from $45.61 in 1985. There was an average of 2.68 fires for every 1,000 persons in British Columbia.

Fire Fatalities

Thirty-five men, 14 women and 9 children lost their lives as a result of fire last year. Four of these 58 deaths occurred on Indian reserves.

- 14 of the 58 fire fatalities (24%) were over 60 years of age.
- 4 of the 9 children that died from fire, were 4 years old or younger.
- 18 fire fatalities resulted from careless smoking. (In 1985 the figure was 19, and in 1984 it was 32).
- at least 17 persons who died were impaired by alcohol, drugs or medication.
- 4 persons were killed as a result of arson or suspected arson.
- 15 persons who died from fire were asleep at the time of the fire.

Residential Fires

Thirty-three per cent of fires were in one- and two-family dwellings, resulting in a total loss of $39.7 million. A further seven per cent of the fires were in apartment buildings with a loss of $7.6 million. These two residential categories accounted for forty per cent of the total number of fires and forty-three per cent of the total 1986 fire losses in the province.

Fifty of the 58 fire fatalities, or 86 per cent, occurred in residential fires, including hotels and mobile homes. There were 30 fatalities in one- and two-family dwellings and 15 in apartment buildings. The time period between 10 p.m. and 7 a.m. accounted for twenty-two of the 30 fire deaths in one- and two-family dwellings, and 6 of the 15 fire deaths in apartment buildings.

The fire experience in one- and two-family dwellings and apartment buildings indicates significant differences between the two groups. See chart below; asterisks highlight differences.

Comparison of One- and Two-Family Dwellings and Apartment Fire Incidents

	1- & 2-Family Dwelling	Apartment Building
Total number of fires in property group	2,511	545
Cooking Fires	686	131
As a percentage of all fires in property group	27.3%	24.0%
As a percentage of total $ loss in property group	10.3%	10.1%
No. of fatalities over total in property group	0/30	2/15
Heating Equipment Fires	593	20
As a percentage of all fires in property group	23.6%	3.6% *
As a percentage of total $ loss in property group	20.1%	4.1% *
No. of fatalities over total in property group	7/30	0/15 *
Smokers Material Fires	182	136
As a percentage of all fires in property group	7.2%	24.9% *
As a percentage of total $ loss in property group	7.8%	42.9% *
No. of fatalities over total in property group	11/30	5/15
Arson Fires	193	84
As a percentage of all fires in property group	7.6%	15.4% *
As a percentage of total $ loss in property group	9.9%	8.2%
No. of fatalities over total in property group	0/30	0/15

Heating equipment fires accounted for more than 23% of the fires in one- and two-family dwellings, but only 3.6% in apartment building fires.

Of all heating equipment fires in one- and two-family dwellings, more than 76% were related to the use of solid fuel. The igniting objects (sources of ignition) for these solid-fuel fires were:

Igniting Object	Fires	Injuries	Dead	$ Loss
Central heating unit	15	0	0	160,517
Space heater	83	5	3	1,079,511
Fireplace	136	1	0	781,732
Masonry chimney	125	4	4	1,446,548
Factory-built metal chimney	67	1	0	1,749,383
Flue connector	20	0	0	274,666
Heating equipment - other	6	0	0	24,263
1986 Total	452	11	7	5,516,620
1985 Total (for comparison)	610	19	9	9,044,084

The largest life-loss fire last year, in which four people lost their lives, was caused by a chimney fire in a poorly maintained masonry chimney serving a solid-fuel stove. It should be noted that the largest life-loss fire in 1985, in which six people lost their lives, was caused by an improperly installed venting system serving a solid-fuel stove. Both these fires occurred in small rural communities.

Smokers materials accounted for about 7.2% of one- and two-family dwelling fires but 24.9% for apartment fires.

The rate of arson in apartment buildings was twice that in one- and two-family dwellings.

Educational Institutions

There were 62 fires in educational institutions in 1986 resulting in a loss of $1,310,613. The number of fires in schools peaked in 1979 when there were 125 fires which caused a loss of $9.3 million.

Almost 90 per cent of the fire loss in educational institutions was caused by set fires. This high percentage is consistent with previous years.

Automobile Fires

There were 2,102 automobile fires in British Columbia in 1986. These fires accounted for 27 per cent of the number of fires in 1986 causing a loss of about $4.3 million.

Large Dollar-Loss Fires

There were 24 fires in which the individual losses exceeded $500,000 each. Although they accounted for one third of one per cent of the total fires, they were responsible for $25.9 million loss, constituting 23.5 per cent of the

province's annual dollar losses. Seven of the fires in this large loss category were a result of arson or suspected arson and caused a loss of $4.7 million.

Arson

1,152 fires out of the total 7,667 (15%) fires in 1986 were deliberately set, causing a loss of $17 million (16% of dollar losses). In 1985, 1,201, or 14.5% of total fires were 'set' and caused a loss of $22 million (16% of dollar loss).

The number of arson fires in 1986 was the lowest since 1973 when there were 1,092 arson fires. The percentage of arson fires over the total number of fires peaked in 1976 at 23.3%

389 of the 1,152 (34%) arson incidents were classified as vandalism or mischief. This category has historically accounted for the bulk of arson incidents. A breakdown of the arson incidents is as follows:

Act or Omission	Incidents	Injured	Dead	$ Loss
Arson for financial gain	18	0	0	603,246
Arson as a cover-up crime	121	2	2	1,627,700
Arson - political, religious motive	1	1	0	50,000
Arson for revenge, spite	19	2	0	255,935
Arson - mental disorder, suicide	11	2	0	133,566
Arson - vandalism, mischief	389	9	0	3,116,168
Arson - motive unknown/unclassified	305	7	1	6,688,851
Suspected Arson - motive unknown or unclassified	288	4	2	4,781,907
	1,152	27	4	17,257,373

The frequency of arson is heaviest in the urban areas: 25% of fires in Vancouver (City) were arson compared to about 11% in the Kootenays, interior and northern regions of the province.

Eighty-two adults and 56 juveniles were charged in arson-related incidents in 1986 according to statistics compiled by the Ministry of Attorney General.

Gordon R. Anderson
Fire Commissioner

FIRE LOSSES IN MUNICIPAL AREAS, 1986

Loc. Code	Location	Population	No. of Fires	Injured	Dead	$ Loss	Loss/Fire	Per Capita Loss	Fires/1000 Persons
	MUNICIPALITIES								
VHM	100 Mile House	1,692	8	0	0	201,386	25,173	119.02	4.73
DAB	Abbotsford	14,496	72	7	0	3,049,336	42,352	210.36	4.97
VAL	Alert Bay	679	6	0	0	201,000	33,500	296.02	8.84
CAR	Armstrong	2,706	10	0	0	136,238	13,624	50.35	3.70
VAS	Ashcroft	1,914	7	0	0	838,543	119,792	438.11	3.66
VBE	Belcarra	549	1	0	0	200	200	0.36	1.82
DBU	Burnaby	145,161	288	13	1	2,337,133	8,115	16.10	1.98
VBU	Burns Lake	1,723	7	1	0	91,429	13,061	53.06	4.06
VCA	Cache Creek	1,147	4	0	0	82,129	20,532	71.60	3.49
DCA	Campbell River	16,986	35	0	0	140,779	4,022	8.29	2.06
CCA	Castlegar	6,385	11	0	0	43,427	3,948	6.80	1.72
DCE	Central Saanich	11,475	1	0	0	4,381	4,381	0.38	0.09
VCH	Chase	1,933	1	0	0	1,500	1,500	0.78	0.52
VCD	Chetwynd	2,774	9	0	0	25,080	2,787	9.04	3.24
DCH	Chilliwack	41,337	89	2	0	715,486	8,039	17.31	2.15
DCO	Coldstream	6,872	11	0	0	107,439	9,767	15.63	1.60
CCL	Colwood	11,546	22	1	0	74,090	3,368	6.42	1.91
TCO	Comox	6,873	12	0	1	62,074	5,173	9.03	1.75
DCQ	Coquitlam	69,291	131	3	1	1,194,016	9,115	17.23	1.89
CCO	Courtenay	9,631	36	1	0	86,140	2,393	8.94	3.74
CCR	Cranbrook	15,893	51	3	0	711,464	13,950	44.77	3.21
TCR	Creston	4,098	25	3	0	131,365	5,255	32.06	6.10
VCU	Cumberland	1,853	3	1	0	40,780	13,593	22.01	1.62
CDA	Dawson Creek	10,544	24	3	1	150,406	6,267	14.26	2.28
DDE	Delta	79,610	133	4	1	1,294,951	9,736	16.27	1.67
CDU	Duncan	4,039	43	0	0	154,126	3,584	38.16	10.65
DEL	Elkford	3,187	9	1	0	107,293	11,921	33.67	2.82
CEN	Enderby	1,714	13	0	0	145,930	11,225	85.14	7.58
DES	Esquimalt	15,972	18	0	1	313,869	17,437	19.65	1.13
CFE	Fernie	5,188	14	1	0	52,425	3,745	10.11	2.70
VFO	Fort Nelson	3,729	22	4	0	585,889	26,631	157.12	5.90
VSJ	Fort St. James	1,983	3	3	0	79,433	26,478	40.06	1.51
CJO	Fort St. John	13,355	19	2	2	136,923	7,207	10.25	1.42
VFL	Fraser Lake	1,182	2	0	0	7,216	3,608	6.10	1.69
VFR	Fruitvale	1,932	6	3	0	141,861	23,644	73.43	3.11
VGL	Gibsons	2,675	7	0	0	40,298	5,757	15.06	2.62
VGO	Gold River	1,879	2	0	0	5,723	2,862	3.05	1.06
TGO	Golden	3,584	9	0	0	91,185	10,132	25.44	2.51
CGF	Grand Forks	3,282	10	2	0	491,565	49,157	149.78	3.05
CGR	Greenwood	767	3	0	0	6,060	2,020	7.90	3.91
VHH	Harrison Hot Springs	652	4	2	0	33,037	8,259	50.67	6.13
VHA	Hazelton	436	2	0	0	12,000	6,000	27.52	4.59
THO	Hope	3,046	3	0	0	3,415	1,138	1.12	0.98
DHO	Houston	3,905	1	0	0	593	593	0.15	0.26
DHH	Hudson Hope	1,158	2	0	0	2,520	1,260	2.18	1.73
VIN	Invermere	1,998	1	0	0	3,265	3,265	1.63	0.50
CKA	Kamloops	61,773	206	21	0	2,354,762	11,431	38.12	3.33
VKA	Kaslo	858	3	0	0	13,143	4,381	15.32	3.50
CKE	Kelowna	61,213	137	6	3	1,989,835	14,524	32.51	2.24
DKE	Kent	3,741	5	0	0	64,582	12,916	17.26	1.34
VKE	Keremeos	839	3	0	0	34,000	11,333	40.52	3.58
CKI	Kimberley	6,732	17	0	0	25,855	1,521	3.84	2.53
DKI	Kitimat	11,196	57	6	0	493,237	8,653	44.05	5.09
TLA	Ladysmith	4,393	15	0	0	134,355	8,957	30.58	3.41
VLC	Lake Cowichan	2,170	8	0	0	14,772	1,847	6.81	3.69
CLA	Langley City	16,557	68	6	0	522,296	7,681	31.55	4.11
DLA	Langley District	53,434	139	8	1	2,953,095	21,245	55.27	2.60
VLI	Lillooet	1,758	10	0	0	24,943	2,494	14.19	5.69
VLB	Lions Bay	1,152	3	0	0	47,031	15,677	40.83	2.60
VLL	Logan Lake	2,001	6	0	0	132,082	22,014	66.01	3.00
VLU	Lumby	1,181	5	0	0	419,000	83,800	354.78	4.23
VLY	Lytton	368	2	0	0	36,124	18,062	98.16	5.43
DMA	Mackenzie	5,542	16	0	0	245,038	15,315	44.21	2.89
DMR	Maple Ridge	36,023	94	8	2	1,020,518	10,857	28.33	2.61
VMA	Masset	1,529	2	0	0	190,100	95,050	124.33	1.31
DMT	Matsqui	51,449	140	16	2	1,348,883	9,635	26.22	2.72
VMB	McBride	592	2	0	0	11,900	5,950	20.10	3.38

FIRE LOSSES IN MUNICIPAL AREAS, 1986

Loc. Code	Location	Population	No. of Fires	Injured	Dead	$ Loss	Loss/Fire	Per Capita Loss	Fires/1000 Persons
CME	Merritt	6,180	13	1	0	103,793	7,984	16.79	2.10
TME	Metchosin	3,676	3	0	0	9,032	3,011	2.46	0.82
VMI	Midway	640	1	0	0	479	479	0.75	1.56
DMI	Mission	21,985	57	1	1	1,388,481	24,359	63.16	2.59
VNA	Nakusp	1,410	2	0	0	101,300	50,650	71.84	1.42
CNA	Nanaimo	49,029	168	9	2	980,207	5,835	19.99	3.43
CNE	Nelson	8,113	26	1	0	185,917	7,151	22.92	3.20
DNH	New Hazelton	796	2	0	0	7,572	3,786	9.51	2.51
CNW	New Westminster	39,972	156	9	0	1,560,744	10,005	39.05	3.90
DNC	North Cowichan	18,674	49	1	0	631,236	12,882	33.80	2.62
DNS	North Saanich	7,247	13	1	0	91,291	7,022	12.60	1.79
CNO	North Vancouver City	35,698	101	3	1	2,461,048	24,367	68.94	2.83
DNV	North Vancouver District	68,241	125	1	0	1,636,375	13,091	23.98	1.83
DOB	Oak Bay	17,065	24	0	0	107,698	4,487	6.31	1.41
VOL	Oliver	1,963	8	0	0	91,268	11,409	46.49	4.08
VOS	Osoyoos	2,956	13	0	0	117,902	9,069	39.89	4.40
TPA	Parksville	5,828	18	0	0	118,696	6,594	20.37	3.09
DPE	Peachland	2,988	2	0	0	19,990	9,995	6.69	0.67
VPE	Pemberton	347	2	0	0	288,732	144,366	832.08	5.76
CPE	Penticton	23,588	59	0	0	1,063,660	18,028	45.09	2.50
DPI	Pitt Meadows	8,004	29	5	0	416,860	14,374	52.08	3.62
CPA	Port Alberni	18,241	58	3	0	723,666	12,477	39.67	3.18
CPC	Port Coquitlam	29,115	48	1	0	183,560	3,824	6.30	1.65
VPD	Port Edward	704	1	0	0	15,000	15,000	21.31	1.42
DPH	Port Hardy	5,389	7	0	0	39,309	5,616	7.29	1.30
VPM	Port McNeill	2,559	3	1	0	36,591	12,197	14.30	1.17
CPO	Port Moody	15,754	17	0	0	99,169	5,833	6.29	1.08
VPC	Pouce Coupe	813	2	0	0	1,663	832	2.05	2.46
DPR	Powell River	12,440	35	3	2	392,575	11,216	31.56	2.81
CPG	Prince George	67,621	222	0	0	4,067,640	18,323	60.15	3.28
CPR	Prince Rupert	15,753	18	2	0	556,655	30,925	35.34	1.14
TPR	Princeton	2,910	7	0	0	170,853	24,408	58.71	2.41
VQB	Qualicum Beach	3,410	12	0	1	344,526	28,711	101.03	3.52
CQU	Quesnel	8,358	41	0	1	391,334	9,545	46.82	4.91
CRE	Revelstoke	8,279	24	0	0	224,234	9,343	27.08	2.90
DRI	Richmond	108,492	204	6	0	3,048,973	14,946	28.10	1.88
CRO	Rossland	3,472	7	0	0	59,691	8,527	17.19	2.02
DSA	Saanich	82,940	146	3	0	721,234	4,940	8.70	1.76
VSA	Salmo	1,014	1	1	0	22,000	22,000	21.70	0.99
DSM	Salmon Arm	11,199	41	1	1	658,725	16,066	58.82	3.66
VSD	Sayward	417	2	0	0	4,631	2,316	11.11	4.80
VSE	Sechelt	1,224	10	0	0	109,290	10,929	89.29	8.17
TSI	Sidney	8,982	19	0	0	31,231	1,644	3.48	2.12
VSL	Slocan	294	1	0	0	1,000	1,000	3.40	3.40
TSM	Smithers	4,713	18	0	0	22,051	1,225	4.68	3.82
DSD	Sparwood	4,540	11	1	0	55,108	5,010	12.14	2.42
DSQ	Squamish	10,157	37	0	1	300,411	8,119	29.58	3.64
DSL	Summerland	7,755	8	0	0	161,469	20,184	20.82	1.03
DSY	Surrey	181,447	452	10	3	5,286,086	11,695	29.13	2.49
VTA	Tahsis	1,445	3	0	0	1,300	433	0.90	2.08
VTR	Taylor	711	1	0	0	104,000	104,000	146.27	1.41
VTE	Telkwa	863	2	0	0	22,603	11,302	26.19	2.32
DTE	Terrace	10,532	47	1	0	617,298	13,134	58.61	4.46
VTO	Tofino	940	2	0	0	1,946	973	2.07	2.13
CTR	Trail	7,948	10	0	0	80,744	8,074	10.16	1.26
DTU	Tumbler Ridge	4,387	19	1	0	2,282,957	120,156	520.39	4.33
VUC	Ucluelet	1,512	6	0	0	36,646	6,108	24.24	3.97
VVA	Valemount	1,161	9	0	0	2,742,850	304,761	2,362.49	7.75
CVA	Vancouver	431,147	1,299	106	7	12,857,001	9,898	29.82	3.01
VVF	Vanderhoof	3,505	5	0	0	77,600	15,520	22.14	1.43
CVE	Vernon	20,241	41	2	1	981,002	23,927	48.47	2.03
CVI	Victoria	66,303	193	4	1	845,442	4,381	12.75	2.91
VWA	Warfield	1,840	1	0	0	2,240	2,240	1.22	0.54
DWV	West Vancouver	36,266	96	4	1	1,075,583	11,204	29.66	2.65
DWH	Whistler	2,002	19	1	0	256,212	13,485	127.98	9.49
CWR	White Rock	14,387	28	1	0	73,981	2,642	5.14	1.95
CWI	Williams Lake	10,280	45	3	1	507,532	11,278	49.37	4.38
VZE	Zeballos	195	1	0	0	223,000	223,000	1,143.59	5.13

FIRE LOSSES IN NON-MUNICIPAL AREAS, 1986

Loc. Code	Location	No. of Fires	Injured	Dead	$ Loss	Loss/Fire
	NON-MUNICIPAL AREAS WITH FIRE PROTECTION					
NOE	108 Mile House	2	0	0	50,735	25,368
NAN	Anglemont	1	0	0	225,000	225,000
NSW	BX Swan Lake	6	0	0	192,900	32,150
NBH	Balfour/Harrop	1	1	0	4,500	4,500
NBA	Barriere	1	0	0	370	370
NBY	Baynes Lake	1	0	0	6,500	6,500
NBM	Beaverly	1	0	0	2,084	2,084
NBO	Boston Bar	1	0	0	45,000	45,000
NBU	Bouchie Lake	4	0	0	29,249	7,312
NBI	Bowen Island	2	1	1	32,000	16,000
NBW	Bowhorn Bay/Bowser	2	0	0	28,400	14,200
NBK	Buckhorn	1	0	0	1,600	1,600
NCF	Canal Flats	2	0	0	33,670	16,835
NCN	Canyon Lister	3	0	0	56,247	18,749
NCK	Charlie Lake	5	0	0	46,306	9,261
NCU	Chilliwack River Valley	1	0	0	32,000	32,000
NCT	Christina Lake	2	1	0	110,000	55,000
NCX	Clearwater	4	0	0	119,635	29,909
NCW	Colwood Rural	5	0	0	2,321	464
NCM	Comox Rural	3	0	1	120,500	40,167
NCO	Coombs/Hillier	6	1	0	70,299	11,717
NCQ	Courtenay Rural	13	4	0	118,026	9,079
NCB	Cowichan Bay	4	0	0	249,000	62,250
NCE	Creston Rural	9	0	0	11,672	1,297
NDW	Dashwood	1	0	0	42,500	42,500
NDA	Dawson Creek Rural	4	0	0	207,000	51,750
NDI	Denman Island	1	0	0	1,819	1,819
NDL	Douglas Lake	1	0	0	70,000	70,000
NDU	Duncan Rural	1	0	0	408	408
NED	Edgewater	1	0	0	32,000	32,000
NER	Errington	2	0	0	5,454	2,727
PEX	Expo '86	16	1	0	5,330	333
NEX	Extension	3	0	0	7,490	2,497
NFA	Falkland	1	0	0	100	100
NFT	Ferndale-Fabor	4	0	0	133,375	33,344
NFI	Field	8	0	1	104,800	13,100
NFF	Fort Fraser	2	1	0	20,400	10,200
NFN	Fort Nelson Rural	12	0	0	107,558	8,963
NFS	Fort Steele	1	0	0	2,000	2,000
NGI	Gabriola Island	8	0	0	95,000	11,875
NGS	Galiano Island	1	0	0	3,044	3,044
NGE	Genelle	1	0	0	982	982
NGR	Grand Forks Rural	1	0	0	18,015	18,015
NHG	Hagensborg	1	0	0	45,500	45,500
NHN	Hixon	1	0	0	12,115	12,115
NHO	Holberg	2	0	0	140,000	70,000
NHI	Hornby Island	2	0	0	125,000	62,500
NHR	Hosmer	2	0	0	3,800	1,900
NKA	Kaleden	1	0	0	8,562	8,562
NKP	Kamloops Rural	2	0	0	17,500	8,750
NKL	Kawkawa Lake	1	0	0	500	500
NKV	Kitamaat Village	1	0	4	80,000	80,000
NKB	Kootenay Boundary Rural	2	0	0	110,128	55,064
NLF	Langford	19	0	0	260,288	13,699
NLV	Lantzville	7	0	0	45,575	6,511
NLT	Little Fort	1	0	0	2,800	2,800
NLR	Lumby Rural	2	0	0	1,575	788
NMP	Madeira Park	1	0	0	16,000	16,000
NML	Malaspina	4	0	0	58,874	14,719
NMI	Mayne Iland	4	0	0	82,200	20,550
NMR	Merritt Rural	2	0	0	28,500	14,250
NMB	Mill Bay	4	0	0	43,477	10,869
NNA	Nanoose Bay	3	0	0	71,248	23,749
NND	Nelson Rural	4	0	0	13,077	3,269
NNC	North Cedar	3	0	0	31,126	10,375

FIRE LOSSES IN NON-MUNICIPAL AREAS, 1986

Loc. Code	Location	No. of Fires	Injured	Dead	$ Loss	Loss/Fire
NNO	North Oyster	6	0	0	77,500	12,917
NNP	North Pender Island	1	0	0	3,000	3,000
NNS	North Shore	1	0	0	2,154	2,154
NNV	North Vancouver Dist. Rural	3	0	0	10,300	3,433
NOF	Okanagan Falls	5	0	0	36,415	7,283
NOL	Okanagan Landing	4	0	0	26,750	6,688
NOP	Otter Point	4	1	0	116,675	29,169
NOY	Oyama	1	0	0	754	754
NOR	Oyster River	5	0	0	330,849	66,170
NPC	Pass Creek	1	0	0	40,000	40,000
NPE	Penticton Rural	1	0	0	3,000	3,000
NPI	Piers Island	1	0	0	52,000	52,000
NPV	Pineview	10	0	0	80,553	8,055
NPA	Port Alberni Rural	5	0	0	6,699	1,340
NPR	Port Renfrew	3	0	0	8,027	2,676
NQR	Quesnel Rural	8	0	2	192,915	24,114
NRE	Revelstoke Rural	1	0	0	1,000	1,000
NRC	Roberts Creek	2	0	0	16,022	8,011
NRO	Robson	2	0	0	4,850	2,425
NSM	Sahtlam	1	0	0	84,331	84,331
NSF	Salt Spring Island	9	0	0	251,871	27,986
NSB	Sasamat	4	0	0	5,400	1,350
NSI	Saturna Island	1	0	0	130,000	130,000
NSC	Scotch Creek/Lee Creek	2	0	0	7,050	3,525
NSE	Shawnigan Lake	6	0	0	138,679	23,113
NSJ	Sicamous	4	2	0	35,720	8,930
NST	Sointula	2	0	0	1,566	783
NSZ	Sooke	15	0	1	71,583	4,772
NSR	Sorrento	4	0	0	16,816	4,204
NSG	South Galiano	3	0	0	12,100	4,033
NSH	South Hazelton	1	0	0	5,000	5,000
NSS	South Slocan	1	0	0	5,265	5,265
NSO	Sproat Lake	4	0	0	73,788	18,447
NTY	Tarry's	2	0	0	33,799	16,900
NTH	Thornhill	8	0	0	164,691	20,586
NUE	UBC Endowment Lands	30	1	0	19,206	640
NVV	Vavenby	1	0	0	105,600	105,600
NWS	Wells	1	0	0	422	422
NWE	Westside	23	0	1	1,155,450	50,237
NWT	White Lake	1	0	0	17,000	17,000
NWK	Williams Lake Rural	13	0	0	133,935	10,303
NWP	Willis Point	1	0	0	1,000	1,000
NWI	Windermere	1	0	0	8,000	8,000
NWN	Winfield	4	0	0	44,275	11,069
NWL	Wynndell-Lakeview	1	0	0	13,000	13,000
NYM	Ymir	1	0	0	32,000	32,000
NYU	Youbou	7	0	0	243,338	34,763
	NON-MUNICIPAL AREAS WITH NO FIRE PROTECTION (grouped together into respective regional districts)					
RAC	Alberni-Clayoquot Regional District	28	0	0	411,060	14,681
RBN	Bulkely-Nechako Reg. Dist.	47	0	0	1,459,933	31,062
RCA	Capital Reg. Dist.	33	0	0	388,990	11,788
RCB	Cariboo Reg. Dist.	125	2	0	2,736,258	21,890
RCC	Central Coast Reg. Dist	11	0	1	292,295	26,572
RCF	Central Fraser Valley Reg. Dist.	8	0	0	14,544	1,818
RCK	Central Kootenay Reg. Dist.	39	1	2	890,304	22,828
RCO	Central-Okanagan Reg. Dist.	27	0	0	208,203	7,711
RCL	Columbia-Shuswap Reg. Dist.	44	1	0	926,580	21,059
RCS	Comox-Strathcona Reg. Dist.	43	3	0	591,921	13,766
RCV	Cowichan Valley Reg. Dist.	21	0	1	230,236	10,964
RDA	Dewdney-Allouette Reg. Dist.	13	0	1	215,809	16,601
REK	East Kootenay Reg. Dist.	42	0	0	1,431,771	34,090
RFC	Fraser-Cheam Reg. Dist.	40	0	0	546,399	13,660
RFG	Fraser-Fort George Reg. Dist.	64	1	0	2,459,967	38,437
RGV	Greater Vancouver Reg. Dist.	18	0	0	90,862	5,048

FIRE LOSSES IN NON-MUNICIPAL AREAS, 1986

Loc. Code	Location	No. of Fires	Injured	Dead	$ Loss	Loss/Fire
RKI	Kitimat-Stikine Reg. Dist.	34	1	1	1,750,081	51,473
RKO	Kootenay Boundary Reg. dist.	16	0	0	305,175	19,073
RMW	Mount Waddington Reg. Dist.	18	1	0	226,406	12,578
RNA	Nanaimo Reg. Dist.	18	0	0	209,265	11,626
RNO	North Okanagan Reg. Dist.	7	0	0	110,073	15,725
ROS	Okanagan-Similkameen Reg. Dist.	35	1	0	987,635	28,218
RPL	Peace River-Liard Reg. Dist.	77	0	0	1,918,193	24,912
RPR	Powell River Reg. Dist.	13	0	0	284,618	21,894
RSC	Skeena-Queen Charlotte Reg. Dist.	9	0	0	250,900	27,878
RSL	Squamish-Lillooet Reg. Dist.	19	0	0	400,465	21,077
RST	Stikine Region Reg. Dist.	8	0	0	3,575,350	446,919
RSU	Sunshine Coast Reg. Dist.	13	0	1	375,361	28,874
RTN	Thompson-Nicola Reg. Dist.	86	0	0	970,984	11,291

FIRE LOSSES AND CASUALTIES BY MONTH, 1986

MONTH	FIRES	$ LOSS	INJURED	DEAD
January	652	$12,899,408	30	5
February	631	$11,584,676	24	11
March	639	$7,525,460	40	3
April	682	$12,317,373	27	5
May	688	$7,042,634	36	1
June	680	$9,407,126	26	2
July	589	$6,547,669	22	3
August	683	$8,390,519	29	6
September	598	$6,468,610	34	2
October	650	$7,817,570	21	1
November	580	$10,064,666	20	8
December	595	$9,769,253	34	11
1986 Total	7,667	$109,834,964	343	58

STATUS, AGE AND SEX OF CASUALTIES, 1986

	FIRES	INJURED	DEAD
STATUS OF CASUALTY			
Firefighter	57	78	
Civilian	257	265	58
AGE OF CASUALTY			
Unknown	27	28	
Birth - 2 years	4	3	2
3-4 years	4	2	2
5-6 years	1	1	
7-8 years	3	3	
11-12 years	4	3	1
13-14 years	5	4	1
15-16 years	7	7	1
17-18 years	13	10	4
19-20 years	15	15	1
21-30 years	68	62	11
31-40 years	92	94	8
41-50 years	35	31	8
51-60 years	33	29	5
61-70 years	24	21	5
71-80 years	23	20	7
81-90 years	12	10	2
SEX OF CASUALTY			
Male	240	250	42
Female	89	93	16

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
AO	ACT OR OMISSION				
	Incendiary or Set Fires				
A0000	Act or omission unknown	1,297	68	15	35,923,339
A0011	Arson or set fire - financial gain	18			603,246
A0012	Arson or set fire - cover-up crime	121	2	2	1,627,700
A0013	Arson or set fire - political, religious, riot, civil commotion	1	1		50,000
A0014	Arson or set fire - revenge , spite	19	2		255,935
A0015	Arson or set fire - mental disorder, attempted suicide, suicide	11	2		133,566
A0016	Arson or set fire - vandalism mischief	389	9		3,116,168
A0018	Arson or set fire - motive unknown or unclassified	305	7	1	6,688,851
A0019	Suspected set fire - motive unknown or unclassified	288	4	1	4,781,907
	Misuse of Source of Ignition				
A0021	Smokers' material	488	54	14	5,011,799
A0022	Thawing	4			45,012
A0023	Inadequate control of open fire	45	1		2,604,340
A0024	Child playing with matches, lighter etc.	133	11		1,464,082
A0025	Welding or cutting too close	49	5		3,427,068
A0026	Torch too close	46	3		753,608
A0029	Misuse of source of ignition - unclassified	48	2		804,393
	Misuse of Material Ignited				
A0031	Fuel spilled accidentally	31	2		1,212,110
A0032	Improper fuelling technique	12	3		52,818
A0033	Flammable liquid to kindle fire	5	5		8,700
A0034	Cleaning, washing parts	8	2		649,054
A0035	Improper container, metal	3			900
A0036	Improper container, plastic	3			206,595
A0037	Combustible placed too close to heat	73	3		1,345,031
A0038	Improper storage	28	3		748,474
A0039	Misuse of material ignited - unclassified	26	5		155,975
	Mechanical or Electrical Failure				
A0041	Part failure, leak, break	931	13		5,150,021
A0042	Automatic control failure	53	1		288,097
A0043	Manual control failure	8			190,285
A0044	Electrical short circuit	752	11	2	6,078,285
A0046	Part worn out	56	1		278,394
A0049	Mechanical or electrical failure unclassified	284	1		2,224,071
	Construction, Design or Installation Deficiency				
A0051	Design deficiency	29			804,219
A0052	Construction deficiency	78	1		734,707
A0053	Installed too close to combustible	97	2	3	1,686,686
A0054	Other installation deficiency	33			316,054
A0055	Overfusing	4			107,975
A0056	Suspected faulty connections involving aluminum wiring	5	1		4,722
A0057	Suspected faulty connections involving copper wiring	13	3	1	207,500
A0059	Construction design or installation deficiency - unclassified	28			316,475

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
	Misuse of Equipment				
A0061	Overfuelling	20			61,359
A0069	Misuse of equipment - unclassified	36	1		1,564,208
	Human Failing				
A0071	Asleep	42	6	2	276,741
A0072	Temporary loss of judgement suspected (includes panic)	15	5	1	28,637
A0073	Physical or mental disability	4	3		2,605
A0074	Accident	298	15	1	4,630,068
A0075	Suspected impairment by use of alcohol, drugs or medication	35	8	2	422,168
A0076	Asleep - suspected use of alcohol, drugs or medication	33	8	6	429,861
A0077	Ignorance of hazard	493	35	2	5,064,161
A0078	Distracted, preoccupied	367	17	1	1,755,929
A0079	Human failing - unclassified	149	5		1,108,633
	Vehicle Accident				
A0081	Automobile accident	34			655,158
A0082	Industrial truck accident	3	1		121,258
A0083	Other road vehicle accident	6			135,963
A0085	Watercraft accident	2			52,265
A0086	Aircraft accident	1	3		
A0089	Vehicle accident - unclassified	25			103,148
	Miscellaneous Act or Omission				
A0091	Chimney fire (masonry)	75		4	411,772
A0092	Chimney fire (factory-built)	13			28,504
A0099	Misc. act or omission unclassified	194	8		2,904,364
	TOTALS	7,667	343	58	109,834,964
BH	**BUILDING HEIGHT**				
BH000	Building height unknown	278	1		5,254,596
BH001	01 storey or 3m	2,083	113	29	40,813,963
BH002	02 stories or 6m	1,423	127	16	35,408,330
BH003	03 to 04 stories or 9m to 12m	482	44	8	13,006,318
BH004	05 to 06 stories or 15m to 18m	58	3		961,847
BH005	07 to 12 stories or 21m to 36m	30	8	1	546,160
BH006	13 to 24 stories or 40m to 73m	26	2		182,196
BH007	25 to 49 stories or 75m to 149m	8	1		102,229
BH008	50 stories, 152m or more	4			2,050
BH009	Not applicable eg. vehicle outside area, etc.	3,275	44	4	13,557,275
	TOTALS	7,667	343	58	109,834,964
FH	**FORM OF HEAT**				
FH000	Form of heat unknown	2,852	84	24	45,847,695
FH001	Spark: Ember	252	17	1	10,353,916
FH002	Spark: Electrical	1,039	27	4	11,419,562
FH003	Spark: Static electrical	38	2		628,895
FH004	Direct flame, flue gases	1,431	85	5	15,845,313
FH005	Friction heat	62			649,559
FH006	Hot object, direct heat by conduction or radiation	1,372	67	6	14,273,831
FH007	Spontaneous ignition	58	2	1	1,465,948
FH008	Heat from smoker's material	494	57	17	6,693,076
FH009	Form of heat - unclassified	69	2		2,657,169
	TOTALS	7,667	343	58	109,834,964

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
FS	FIRE SERVICE				
FS000	Fire service unknown	1,525	2		8,447,492
FS001	Full time fire department	2,747	155	13	31,518,513
FS002	Volunteer fire department	729	39	14	22,443,594
FS003	Combined full time and volunt fire department	2,239	140	26	33,720,831
FS004	Police acting as full time firefighters	11		1	289,700
FS006	Combined police and volunteer firefighters	7		1	207,500
FS007	Fire service - contract to others	15	1		282,251
FS008	No fire service	363	3	3	12,212,336
FS009	Fire service - unclassified	31	3		712,747
	TOTALS	7,667	343	58	109,834,964
FU	FUEL OR ENERGY (relating to Igniting Object)				
FU000	Fuel or energy unknown	1,577	73	17	44,026,011
FU001	Coal, wood	948	27	10	16,130,095
FU002	Fuel, kerosene	93	3		3,309,548
FU003	Gasoline	1,285	24	2	6,117,982
FU004	Natural gas or other fuel gas	397	48	1	7,154,204
FU005	Cigarette, cigar, pipe, match, lighter	943	87	20	11,379,410
FU006	Electricity	1,910	60	6	15,591,742
FU007	Lightning	7			47,701
FU008	Exposure fire	185	3	1	1,492,517
FU009	Fuel or energy - unclassified	322	18	1	4,585,754
	TOTALS	7,667	343	58	109,834,964
ID	INITIAL DETECTION				
ID000	Initial detection unknown	1,548	5	2	8,839,799
ID001	Smoke alarm device	186	16	1	2,392,957
ID002	Smoke detector device	71	4	1	797,116
ID003	Heat alarm device	14	1		207,721
ID004	Heat detector device	24			224,194
ID005	Automatic sprinkler system	37	2		1,413,898
ID006	Automatic system - other than sprinkler	6			16,832
ID007	Visual sighting	5,653	309	54	90,160,465
ID008	None	61	4		712,882
ID009	Initial detection - unclassified	67	2		5,069,100
	TOTALS	7,667	343	58	109,834,964
IG	IGNITING OBJECT (SOURCE OF IGNITION)				
IG000	Igniting object unknown	1,552	81	18	36,451,166
IG001	No igniting object	93	3	1	1,997,155
	Cooking Equipment				
IG002	Stove, range: Top burner area - fire in pan	447	21		2,417,502
IG003	Stove, range: Top burner area - fire in deep fat fryer or pot	171	22		1,334,018
IG004	Stove, range: Top burner area - other circumstances	102	6	2	1,873,549
IG005	Oven of stove, range	69	2		413,547
IG006	Chafing dish, fondue	1			500
IG007	Deep fat fryer - separate appliance	20			99,541
IG011	Fry pans, grills not on stove	6			9,391
IG012	Other cooking unit	16	6		95,044

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
IG013	Open fired broiler - fixed type	3			2,385
IG014	Open fired broiler - portable type	48	5		514,421
IG015	Food warming appliance	28	1		211,590
IG016	Toaster, waffle iron	15	1		57,040
IG019	Cooking equipment - unclassified	30	1		162,524
	Heating Equipment				
IG021	Central heating unit	84	5	1	1,874,847
IG022	Service water heater	45	2		739,637
IG023	Space heater - stationary	154	5	3	2,111,913
IG024	Space heater - portable	43	1		1,381,133
IG025	Fireplace	151	2		1,163,430
IG026	Chimney, masonry	155	5	4	2,372,716
IG027	Flue pipe, vent connector	30		1	407,301
IG028	Chimney, factory-built, metal	78	1		1,989,392
IG029	Heating equipment - unclassified	27	1		311,559
	Appliances				
IG031	Television	12	1		362,617
IG032	Radio, phonograph, tape-recorder	9			154,525
IG033	Clothes dryer	75	2		450,758
IG034	Washing machine	5			4,200
IG035	Air conditioning and refrigeration: Central	5			35,800
IG036	Air conditioning or dehumidifier: Individual	2			16,531
IG037	Refrigeration unit: Individual	14			236,966
IG038	Pressing iron, ironing machine	10			126,851
IG039	Portable generator	3			13,650
IG041	Lawnmower	2			2,286
IG043	Electric blanket, heating pad	18			183,748
IG044	Incinerator	4	1		154,241
IG049	Appliance - unclassified	50	2		541,108
	Electrical Distribution Equipment				
IG051	Electrical wiring, cable: Permanent	493	7	1	4,194,949
IG052	Transformer	10			43,050
IG053	Switch gear	5			78,008
IG054	Panelboard, switchboard	33	2		412,346
IG055	Switch, outlet	34	5	1	461,891
IG056	Electric, wiring, cable: Temporary	106	2	1	2,711,728
IG057	Signal, telephone equipment	2			7,600
IG058	Battery, rectifier, charger	147			440,734
IG059	Electrical distribution equipment - unclassified	42			134,744
	Other Electrical Equipment				
IG061	Electric motor: 1 hp and over	24			183,699
IG062	Electric motor: Under 1 h.p.	14			28,696
IG064	Electronic equipment: Data processing	2			1,686
IG065	Incandescent lamp	53	3		445,454
IG066	Fluorescent lamp	7			15,450
IG069	Other electrical equipment - unclassified	47	1		673,136
	Smokers' Material and Open Flame				
IG071	Smoker's material: Cigarette, cigar, pipe, matches, lighter	594	65	18	7,477,607
IG072	Match, lighter: Not used in conjunction with smoking	622	37	3	6,194,116
IG073	Lamp	13			150,053
IG074	Candle, taper	53	6	2	375,811

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
IG075	Cutting torch	34	4		931,225
IG076	Welding equipment	47	2		5,786,986
IG077	Torch: Other than cutting, welding	58	3		1,084,890
IG078	Hot ashes, embers	90	1		1,278,600
IG079	Smoker's material of open flame - unclassified	39	4	1	681,345
	Exposure				
IG081	Structure: Attached	12	1		55,955
IG082	Structure: Detached	77			612,168
IG084	Outside storage container, tank	5			61,654
IG085	Open fire	41			2,332,676
IG086	Forest, tree	2			59,187
IG087	Grass, bush	26			301,406
IG089	Exposure - unclassified	34	1		204,819
	Miscellaneous				
IG090	Internal combustion engine	1,002	14	1	2,774,609
IG091	Heat treatment equipment	5			101,886
IG092	Industrial oven	4			25,218
IG093	Printing equipment, photographic equipment	1			100
IG094	Explosive	2	1		125
IG095	Fireworks	26	1		45,160
IG096	Bearing, belting, conveyor, brake	31			156,268
IG097	Machinery, equipment: Commercial and industrial	32	4		4,566,849
IG098	Chemical reaction	37	1		793,956
IG099	Igniting object - unclassified	184	1		3,674,542
	TOTALS	7,667	343	58	109,834,964
IN	INCIDENT REPORT				
IN006	Alarm fire: LAFC report updated by insurance report	1,363	86	13	30,037,886
IN007	No-alarm fire: LAFC report updated by insurance report	69	1		1,235,896
IN008	Alarm fire: Insurance report only	352			2,497,498
IN009	No-alarm fire: Insurance report only	1,135	1		5,754,886
IN010	Alarm fire: reported by LAFC only	4,491	246	43	64,888,264
IN011	No alarm fire: reported by LAFC only	257	9	2	5,420,534
	TOTALS	7,667	343	58	109,834,964
LV	LEVEL OF ORIGIN				
LV000	Level of origin unknown	300	3	2	8,388,112
LV001	Basement, sub-basement	480	42	6	11,146,727
LV002	Crawl space, under structure	63	1		890,265
LV003	Ground floor, grade level	2,627	170	34	54,789,608
LV004	2nd storey	491	48	6	10,906,659
LV005	3rd storey	112	20	3	1,409,404
LV006	4th to 12th story, inclusive	49	4	1	355,049
LV007	Over 12 storeys	7	2		180,203
LV008	Roof level, includes concealed roof space, attic	211	5	2	4,035,283
LV009	Level of origin - not applicable	3,327	48	4	17,733,654
	TOTALS	7,667	343	58	109,834,964
MI	MATERIAL FIRST IGNITED				
MI000	Material first ignited unknown	1,644	63	15	39,851,348

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
MI001	Roof covering: Wood	80	2		1,821,761
	Structural Materials, Finish Materials				
MI002	Roof covering: Other than wood	21			340,582
MI003	Exterior wall covering,surface,finish	139	1		1,549,953
MI004	Exterior trim & appurtenance	24			1,857,292
MI005	Floor covering: Wood	56	1	1	1,343,789
MI006	Floor covering: Linoleum, tile, plastic	31			118,986
MI007	Floor covering: Carpet, rug	145	6	1	1,130,523
MI008	Structural component: Floor, ceiling, roof	108	5	6	3,108,850
MI009	Structural component: Wall	104	3	1	1,734,593
MI010	Interior wall covering: wood, fibreboard (high density)	136	5		3,223,465
MI011	Interior wall covering: fibreboard (low density)	32	1	1	484,875
MI012	Interior wall covering: plastic	14			3,641,460
MI013	Ceiling covering: wood, fibreboard (high density)	19	1		1,216,635
MI014	Ceiling covering: fibreboard (low density)	5			122,473
MI015	Ceiling covering: plastic	2	1		5,376
MI016	Insulation: Wood product	20	2		286,733
MI017	Insulation: Plastic	58			611,280
MI018	Insulation: Mineral	26			267,979
MI019	Structural components, finish materials - unclassified	46			400,306
	Furniture (upholstered)				
MI021	Furniture (upholstered)	295	37	12	4,575,350
MI022	Furniture: Wood (not upholstered)	40	3	2	359,878
MI023	Furniture: Plastic (not upholstered)	5			69,403
MI024	Ironing board	4			34,058
MI025	Mattress, pillow	153	13	1	714,115
MI026	Bedding	131	20	3	3,624,760
MI027	Drapery	43	3		412,664
MI028	Broom, mop, brush	10			51,379
MI029	Furniture, furnishings - unclassified	26	1		217,521
	Clothing, Textiles				
MI031	Clothing: Cotton, on a person	29	3		298,313
MI033	Clothing: Synthetic fibre, on a person	57	5	2	632,831
MI034	Fabric: Cotton	34	9	1	469,452
MI035	Fabric: Wool	8			158,366
MI036	Fabric: Synthetic fibre	41			219,866
MI038	Tarpaulin	8	2		18,141
MI039	Clothing, textiles - unclassified	38	3		474,943
	Wood, Paper Products				
MI041	Wood	81			2,741,055
MI042	Wood shavings	56	3		1,279,178
MI044	Paper, packing material	68	3		589,787
MI045	Paper decoration	9	1		75,999
MI046	Wastepaper	82			735,271
MI047	Cardboard	73	7	2	1,041,937
MI048	Paper stock	84	2		1,237,220
MI049	Wood, paper products - unclassified	74	1		1,165,390

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
	Flammable, Combustible Liquids				
MI051	Gasoline	1,135	32	4	6,479,556
MI052	Fuel oil	58	2		1,944,087
MI053	Combustible liquid: Flashpoint 100F and over	45	3		721,787
MI054	Flammable liquid: Flashpoint less than 100F	41	10		816,666
MI055	Paint, varnish	21			240,045
MI056	Cooking oil, fat	511	37		3,968,487
MI057	Tar, asphalt	8			28,300
MI058	Polish, wax	10			24,677
MI059	Flammable liquids - unclassified	123	9	1	1,099,165
	Flammable Gases				
MI061	Natural gas	9			35,562
MI062	Propane/butane air mixture	32	8		209,276
MI063	Propane, butane, L.P.G	40	4		289,961
MI066	Hydrogen	7			53,870
MI069	Flammable gases - unclassified	15	1		178,439
	Chemicals, Plastics, Metals				
MI072	Cellulose nitrate	8	1		8,750
MI073	Plastics	218	1		1,189,778
MI077	Rubber, natural or synthetic	65	1		1,024,263
MI078	Ammonium nitrate	1			1,958
MI079	Chemicals - unclassified	24	2		31,584
	Agricultural, Forestry Products				
MI081	Fibres	16	1		245,666
MI082	Grain, flour, starch	4			1,550
MI083	Hay, straw	25			237,802
MI084	Tree, shrub	41	1		90,885
MI085	Felled timber	1			1,000
MI086	Grass, brush, leaves	50			322,097
MI087	Fertilizer, manure	2			5,799
MI088	Christmas tree	6	1		148,433
MI089	Agricultural, forestry products - unclassified	7			25,296
	Miscellaneous				
MI091	Coal, coke	10			24,339
MI092	Creosote deposits in chimney, flue	120			267,748
MI095	Insulation: Electric	394	5		2,799,527
MI096	Garbage, trash, rubbish	237	9	2	1,070,712
MI097	Oily rags	16			272,158
MI098	Artificial tree	1			2,014
MI099	Miscellaneous material - unclassified	207	8	3	1,658,591
	TOTALS	7,667	343	58	109,834,964
OA	AREA OF ORIGIN				
OA000	Area of origin unknown	332	10	3	12,187,961
	Means of Egress				
OA001	Hallway, corridor	61	3	1	1,266,750
OA002	Stairway, exterior	27			1,587,392
OA003	Stairway, interior	37	2		973,040
OA004	Escalator	1			2,000
OA005	Lobby, entrance way	40	10		694,221
OA006	Elevator	15			67,050

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
OA009	Means of egress - unclassified	28	2		326,465
	Assembly, Family, Sales Area				
OA011	Large assembly area: Fixed seats	3			175,500
OA012	Large assembly area: Non-fixed seats	4			489,370
OA013	Small assembly area	17	6		199,912
OA014	Lounge, living room	590	65	24	10,800,556
OA015	Sales, show room area	15			1,722,705
OA017	Sports facility	7			127,600
OA019	Assembly, sales area - unclassified	2			1,460
	Function Area				
OA021	Sleeping (under 5 occupants)	415	43	6	8,514,399
OA022	Sleeping (5 or more occupants)	5			71,455
OA023	Dining area	34			1,290,862
OA024	Bar, beverage area	4			610,700
OA025	Washroom, locker room	74	7		906,539
OA026	Office	29	5	1	1,695,138
OA027	Laboratory	8	1		4,038
OA028	Display windows	1			1,000
OA029	Printing, photographic reproduction	3			218,607
OA030	Electronic equipment communication room	3			19,200
OA031	Kitchen, cooking area	1,001	68	8	9,908,400
OA032	Laundry area	146	1		1,666,227
OA035	Electronic equipment room	8			301,712
OA036	Performance area	1			100
OA038	Process, manufacturing area	26	2		3,357,098
OA039	Function area - unclassified	29	1		1,267,644
	Storage Area (Inside Building)				
OA041	Product storage area	37	5		2,120,303
OA042	Closet, lockers	59	7	1	816,993
OA043	Supplies, equipment area	56	2		1,688,853
OA045	Shipping,receiving area,mail room	5			133,060
OA046	Trash, rubbish area	19	6		197,433
OA047	Vehicle (garage)	164	4		2,293,392
OA048	Agricultural products storage	30	1		498,120
OA049	Storage area - unclassified	78	7	2	1,572,552
	Service Facilities				
OA051	Dumbwaiter, conveyor shaft	2			215,181
OA052	Service shaft	8			86,392
OA053	Chute	2			162,465
OA054	Shipping, receiving area	2			1,894
OA055	Duct: Heating, air conditioning	5			23,465
OA056	Duct: Cooking, exhaust	1			1,423
OA057	Chimney: Masonry	110	1		538,292
OA058	Chimney: Factory built metal	94			1,190,899
OA059	Service facilities - unclassified	13			159,076
	Service and Equipment Area				
OA061	Machinery room	33	8		3,594,521
OA062	Heating equipment room	106	9		2,796,486
OA063	Transformer vault	10			426,226
OA064	Incinerator room	1			500
OA065	Maintenance shop	66	2	1	3,784,952
OA066	Paint shop	4			16,201
OA067	Test cell	1			2,980
OA069	Service and equipment area - unclassified	17	8		434,486

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
	Structural Area				
OA071	Crawl space	44			4,133,891
OA072	Exterior balcony	48	4		840,921
OA073	Ceiling and floor assembly	29	2		987,162
OA074	Ceiling and roof/ceiling space	84	2	6	3,295,690
OA075	Wall Assembly	52	2	1	398,305
OA076	Exterior wall	120	3		1,097,468
OA077	Exterior roof	77	2		1,388,208
OA078	Awning, canopy	6	1		50,950
OA079	Structural area - unclassified	27			966,964
	Vehicle Area				
OA082	Vehicle: Engine area	1,571	9	1	5,195,578
OA083	Vehicle: Fuel area	279	8		1,814,310
OA084	Vehicle: Control area	139	3		578,025
OA085	Vehicle: Passenger area	489	2	1	1,655,811
OA086	Vehicle: Cargo area	124	3		464,378
OA089	Vehicle area - unclassified	138	2		1,125,129
	Miscellaneous				
OA091	Open area	134	4		746,018
OA092	Court, patio, terrace	55	1		261,120
OA093	Parking area	44	1		327,476
OA094	Storage area	33	2	1	503,552
OA095	Trash, rubbish area	157	1		116,643
OA099	Outside area - unclassified	128	5	1	676,119
	TOTALS	7,667	343	58	109,834,964
PR	**PROPERTY CLASSIFICATION**				
	Assembly				
PR114	Auditorium	2			30,900
PR119	Theatre, studio, auditorium - unclassified	1			20,000
PR122	Billiard centre	2			1,000
PR123	Ice rink	1			10,000
PR124	Amusement centre	1			50
PR125	Swimming facility	2			20,100
PR126	Ballroom, gymnasium	2			406,200
PR127	Exhibition hall, exposition hall	7			6,389
PR129	Amusement, recreation place - unclassified	10			12,900
PR132	Elementary school	21			128,630
PR133	High school	31			1,176,235
PR137	Rehabilitation school	1			200
PR138	College, university	9			5,548
PR141	Church, chapel	5			559,402
PR143	Church hall	10	6		573,554
PR144	Funeral parlour	1			10,000
PR149	Church, funeral parlour - unclassified	2			14,300
PR151	City club	1			21,853
PR152	Country club	2			3,600
PR153	Yacht club	3	1		68,303
PR159	Social, sport club - unclassified	6			39,350
PR162	Museum	1			500
PR164	Historic building	3			35,600

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
PR171	Restaurant	69	6		4,464,101
PR172	Night club	4			5,343
PR173	Tavern	4			5,250
PR174	Lunchroom, drive-in	9			133,400
PR179	Food or beverage establishment - unclassified	10	2		150,921
PR187	Marine passenger terminal	1			1,200
PR191	Court room	1			350,000
PR199	Miscellaneous assembly - unclassified	5			37,488
	Institutional				
PR211	Prison: Penitentiary for men	2	1		10,100
PR213	Jail	1			75
PR219	Prison, jail, reformatory - unclassified	1			800
PR221	Home for the aged with nursing staff	10			11,280
PR222	Home for the aged without nursing staff	1			150
PR229	Home for the aged - unclassified	1			562
PR239	Child care - unclassified	1			43,987
PR241	Hospital	10	1		47,475
PR242	Sanatorium, sanatarium, nursing or convalescent home	2	1		2,298
PR243	Institution for the blind, deaf or dumb	1			5,000
PR244	Mental hospital	5	3		1,155
PR245	Clinic	1			200
PR249	Hospital, sanatorium, clinic - unclassified	1			403
PR299	Miscellaneous institutional - unclassified	6	1		9,344
	Residential				
PR311	Dwelling year-round use (1-family)	2,305	126	25	34,801,904
PR312	Dwelling, seasonal use - in season (1-family)	42	1		1,165,036
PR313	Dwelling, seasonal use - off season (1-family)	8			146,054
PR314	Dwelling, year-round use (2-family)	124	17	5	2,596,976
PR315	Dwelling, seasonal use - in season (2-family)	2			11,500
PR317	Dwelling, farm (1-family	11			721,650
PR318	Dwelling, farm (2-family)	1			104,000
PR319	Dwelling, 1 & 2 family - unclassified	18			132,948
PR321	Apartment, townhouse: 1-2 units with business	10			225,026
PR322	Apartment, townhouse: 1-2 units without business	6	4	1	100,329
PR323	Apartment, townhouse: 3-20 units with business	71	10	1	1,032,115
PR324	Apartment, townhouse: 3-20 units without business	176	28	5	1,752,879
PR325	Apartment, townhouse: Over 20 units	239	23	7	4,213,553
PR329	Apartment, townhouse- unclassified	43	1	1	306,323
PR331	Rooming, boarding, lodging house: 4 to 8 roomers or boarders	15	7	1	336,028

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
PR332	Rooming, boarding, lodging house: 9 to 15 roomers or boarders	1			2,600
PR339	Rooming, boarding, lodging house - unclassified	5			241,788
PR341	Hotel, inn, lodge: Year-round use	56	3		1,523,132
PR342	Hotel, inn, lodge: seasonal use - in season	3			7,710
PR343	Hotel, inn, lodge: Seasonal use - off season	1			20,000
PR344	Hotel, inn, lodge: Transient dormitory type	3			613,449
PR349	Hotel, inn, lodge - unclassified	2			3,050
PR351	Motor hotel, motel: Fewer than 3 units	1			550
PR352	Motor hotel, motel: 3-20 units	11	3		435,230
PR353	Motor hotel, motel: Over 20 units	10	1		17,925
PR359	Motor hotel, motel - unclassified	5			11,142
PR361	Dormitory: School, college, university dormitory	2			32,392
PR364	Dormitory: Military barrack	1			400
PR366	Dormitory: Bunkhouse and workers' barrack	6		1	69,971
PR371	Mobile home (1 or 2 family unit)	93	13		1,616,965
PR372	Houseboat	2			32,000
PR373	Travel trailer	35	1		333,879
PR374	Camping trailer	11			37,900
PR375	Motor home	20			223,055
PR376	Truck with camper	14	1		44,527
PR377	Tent	1			5,000
PR379	Mobile home, trailer - unclassified	59	1	2	738,350
PR399	Residential miscellaneous - unclassified	27	2	1	334,759
	Business and Personal Service				
PR411	General business office	29	5		1,314,316
PR412	Civic, federal or provincial government office	5	2	1	22,610
PR413	Bank	3			58,500
PR414	Medical, health, research or scientific office	4			90,206
PR416	Mailing, photocopy company office	1			12,540
PR417	Post office	1			3,000
PR419	Office - unclassified	2			315
PR421	Barber or hairdressing establishment	2			58,000
PR422	Beauty parlour	1			500
PR429	Personal service property - unclassified	1			90
PR439	Electronic equipment - unclassified	2			175,338
PR499	Miscellaneous business and personal service - unclassified	11			792,572
	Mercantile				
PR511	Supermarket	1			1,500
PR512	Market, grocery store	9	1		252,696
PR513	Specialty food store	3			36,800
PR516	Delicatessen	2	2		45,342

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
PR519	Food, beverage sale-unclassified	7			33,210
PR521	Clothing store	5			239,695
PR525	Fur store	1			1,000
PR526	Dry goods store	1	1		17,100
PR531	Furniture store	1			300
PR533	Hardware store	1			500
PR534	Music store	1			400
PR539	Furniture, appliance hardware sales - unclassified	1			7,000
PR541	Book, stationery store	1			112,000
PR542	Newsstand, tobacco shop	2			25,200
PR543	Drug store	2			125,100
PR547	Florist shop, greenhouse	1			150
PR552	Sporting goods sales, bicycle sales and repairs	1			10,000
PR554	Garden supply store	2			18,339
PR555	Retail lumber sales	1			1,300
PR559	Recreation, hobby supplies - unclassified	2			2,900
PR561	Furniture repair or upholstery without sales	1			100
PR563	Laundry, self-service	6			14,564
PR564	Laundry, dry cleaner	1			35,000
PR566	Home maintenance service	1			200
PR567	Maintenance shop, general	12			458,333
PR569	Household repair service - unclassified	1			30,000
PR571	Service station; public	12	3	1	680,035
PR572	Service station; private	4			46,200
PR573	Motor vehicle repairs	17	3	1	1,067,604
PR574	Motor vehicle and trailer sales	5			458,950
PR575	Motor vehicle accessory salds	1	1		800,000
PR576	Boat sales	1			48,000
PR577	Marine service station	1			40,500
PR578	Car wash facility	1			100,000
PR579	Motor vehicles, boats, sales and service - unclassified	30	1		310,269
PR581	Department store	5			1,011,850
PR582	Variety store - small	3			230,400
PR583	Variety store - large	3			13,000
PR584	Mail order store	1			10,560
PR585	Shopping mall - public Areas	1	1		2,800
PR589	Department, variety store - unclassified	1			50
PR592	Trade supply sales	1			5,000
PR593	Builders supply sales	1			98,165
PR594	Restaurant supplies and services	1			15,919
PR599	Miscellaneous mercantile - unclassified	9			222,820
	Industrial Manufacturing Properties				
PR614	Plastic products manufacture	2			225,735
PR615	Paints, varnishes, lacquers, inks, waxes, adhesives manufacture	1	1		
PR617	Petroleum refineries	2			45,000
PR618	Asphalt, coal products manufacture	2			42,000
PR621	Sawmill, planing mill	55	3		4,321,414
PR623	Wood, cork products manufacture	3			209,332

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
PR624	Furniture, bedding manufacture	8	1		880,392
PR625	Paper, pulp, paperboard manufacture	5			89,000
PR626	Paper, pulp, paperboard products manufacture	2			800
PR627	Newspaper, magazine, printing and publishing	1			50
PR628	Printing, publishing	4			60,717
PR629	Wood, furniture, paper, printing manufacturing - unclassified	2			71,380
PR632	Basic nonferrous metals manufacture	1			3,500,000
PR633	Basic metal products manufacturing	1			200
PR634	Machinery manufacture	6			40,064
PR635	Electrical and electronic machinery manufacture	3			124,976
PR636	Electrical and electronic appliance manufacture	1			3,000
PR639	Metal, metal products, electrical equip. man. - unclassified	2			4,405
PR641	Slaughtering, preparation, preserving of meat	3			21,800
PR643	Canning, preserving	1			95,366
PR644	Canning, preserving of fish, sea foods	1			7,500
PR645	Grain mill products manufacturing	1			15,000
PR646	Bakery product manufacturing	3			13,918
PR649	Food processing - unclassified	2			17,000
PR652	Wineries	1			3,000
PR653	Breweries	2			4,700
PR676	Leather products mfg (excluding footwear and other apparel)	1			250,000
PR677	Rubber, rubber products manufacturing	1			20,449
PR681	Shipbuilding and repairing of vessels over 20m	1			7,000
PR682	Boatbuilding and repairing of vessels 20m and under	5			343,000
PR684	Motor vehicle manufacturing and assembly	4			13,840
PR686	Aircraft and rocket manufacturing: assembly and repair	2			420,685
PR689	Vehicles and related equipment - unclassified	37			632,016
PR696	Laundry and dry cleaning plant	4			5,150
PR697	Photographic film processing	1			214,750
PR699	Miscellaneous manufacturing - unclassified	8			195,676
	Industrial Storage Properties				
PR711	Seeds, beans, nuts, grain storage in bulk	1			6,000
PR712	Boxed,crated or packaged agricultural products storage	1			50
PR713	Loose or bagged agricultural products storage	1			700
PR715	Livestock storage	4	1		44,600
PR716	Agricultural supply storage	10			86,584
PR719	Agricultural products storage - unclassified	3			100,897
PR723	Baled silk or synthetic fibres storage	1			5,000
PR726	Wearing apparel, garments and finished textiles storage	2			10,250

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
PR731	Packaged foodstuffs storage	2			102,000
PR733	Loose or bagged processed foods storage	1	2		1,500,000
PR735	Cold storage	1			900
PR738	Tobacco storage	1			56,793
PR744	LP gas cylinders storage	2	1		801
PR749	Flammable liquids, gases, petroleum prod storage - unclassified	3			19,060
PR751	Lumberyards, building materials storage	2			2,500
PR752	Wood products storage	5			2,026,770
PR753	Furniture storage	2			9,644
PR755	Rolled paper, newsprint storage	3			250
PR756	Paper and paper products storage	4			800
PR758	Pulpwood pile, cordwood storage	3			43,510
PR759	Wood, furniture, paper and products storage - unclassified	1			13,490
PR763	Plastics and plastic products storage	1			1,000
PR767	Rubber, rubber products storage	1			68,941
PR769	Chemicals, plastics, paints storage - unclassified	1			56,500
PR771	Basic metal forms storage	1			1,600
PR773	Hardware storage	1			1,441
PR775	Electrical appliances and supplies storage	1			5,000
PR777	Scrap and junkyards	1			550
PR779	Metal products, machinery, electrical appliance storage - unclassified	2			40,200
PR781	Garage: Individual residentl parking	104	3		1,040,574
PR782	Garage: General auto parking	12			48,091
PR783	Bus, truck and auto fleets storage	1			83,600
PR784	Heavy machine and equipment storage	3			271,000
PR785	Marinas, boat and ship storage	3			4,950
PR789	Vehicle storage - unclassified	3			8,885
PR791	General warehouse	12			681,371
PR795	Glass and glass products storage	1	1		50
PR798	Pier, wharf, storage in open area	1			250
PR799	Miscellaneous storage properties - unclassified	18	1		795,733
	Outdoor Property, Vehicles				
PR811	Brush, grass and light ground cover	14	2		6,775
PR812	Dumps	1			400
PR813	Trees	22			24,424
PR814	Fences, poles, railroad ties	14			8,678
PR815	Trash and rubbish	135			27,365
PR816	Mailboxes	2			110
PR819	Outdoor property - unclassified	53	1		229,232
PR821	Bridge, trestle, overpass, elevated road and railway	2			225,000
PR829	Special connecting thoroughfares - unclassified	1			4,500
PR831	Buildings under construction	6			222,200
PR832	Buildings under demolition	2	1		44,450
PR835	Vacant property	22			1,108,243
PR836	Unoccupied property	4			109,901
PR837	Contractors' sheds	5			32,050

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
PR838	Building under major renovation	2			89,867
PR839	Under construction or demolition - unclassified	4			1,750
PR841	Motor craft (20m and under loa)	20			425,000
PR842	Vessel (under 1,000gt)	6	4		70,370
PR847	Non self-propelled vessel	2	1		165,100
PR848	Commercial fishing vessel	17	6		415,900
PR849	Watercraft - unclassified	23	1		528,631
PR852	Railway car: Passenger sleeper	1	1		2,000
PR853	Railway car: Freight	2			7,500
PR854	Locomotive, engine, and other power unit	2			21,000
PR858	Railway yard	2			2,350
PR859	Rail transport vehicle and equipment - unclassified	1			50,000
PR861	Automobile	2,102	11	4	4,284,685
PR862	Bus, trackless trolley	24	1		196,971
PR863	Truck, compressed or LP gas tank	3			13,900
PR864	Truck, flammable liquid,chemical tank	5			84,365
PR865	Truck, general	410	2		1,274,008
PR866	Motorcycle	25			50,730
PR867	Wagon, Non-motorized hauling vehicle	5			40,500
PR868	Industrial or commercial trailer	28	1		354,249
PR869	Ground transport vehicle - unclassified	46	1		262,903
PR871	Aircraft, private	1	3		
PR872	Aircraft, commercial - non scheduled airlines	1	2		15,000
PR875	Helicopter, and vertical take-off aircraft, non military	1			225,000
PR881	Construction equipment	32	1		1,244,173
PR882	Farm tractor and equipment	14			146,660
PR883	Crane, mobile and fixed	1			10,000
PR884	Industrial truck: Fork lift and material handling	14			451,631
PR886	Snowmobile	1			1,500
PR889	Special vehicle - unclassified or unknown	47			1,346,546
PR891	Pier, wharf	2			1,250
PR911	Laboratory: Chemical, biological and medical	4	1		220
PR917	Laboratory: General research	2			700
PR921	Poultry, egg production	2			154,000
PR922	Cow and cattle production	1			3,000
PR923	Storage barn	21	1		263,280
PR924	Animal barn, cattel, pigs, horses	11	1		250,300
PR925	Crops, orchards, straw stacks	1			8,800
PR928	Farm silo	1			208,000
PR929	Farm facility - unclassified	6			39,742
PR931	Shed	68	3	1	1,098,930
PR932	Privy	2			1,400
PR935	Non-metallic mineral product manufacturing	2			200
PR938	Telephone booth	2			1,800
PR939	Miscellaneous outbuildings - unclassified	43			269,791
PR941	Electrical light and power generating plant	3			69,521

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
PR942	Electric light & power distribution system	7			46,900
PR946	Water supply system	2			1,050
PR947	Sanitary service	2			10,100
PR948	Flammable liquid distribution system, pipeline	1			130,000
PR949	Utility - unclassified	7			162,550
PR951	Structl clay products manufacturing	1			200
PR961	Coal mine	1			2,049,288
PR963	Metal ore mine	3			59,468
PR965	Stone, slate, clay, gravel, sand, quarry or pit	1			214,681
PR972	Radio, radar site	1			124,500
PR973	Fire, police, emergency communication centre	1			200
PR977	Lighthouse, light station	1			12,000
PR982	Property in which radioactive material is handled in small quantities	2			750
PR996	Groundskeeping equipment	5			12,977
	TOTALS	7,667	343	58	109,834,964
SD	SMOKE ALARM OPERATION				
SD000	No smoke alarm installed	2,118	168	32	57,800,949
SD001	Alarm activated - assisted occupants in evacuating	293	44	3	5,765,710
SD002	Alarm activated - inaudible	9	2		498,505
SD003	Alarm activated - occupants unable to respond	19	2		587,360
SD004	Alarm activated - unnecessary to evacuate	225	17		2,390,130
SD005	Alarm activated - occupant action unknown	89	16	6	3,351,637
SD006	Alarm not activated - unsuitable location	54	3		835,925
SD007	Alarm not activated - no or dead battery	58	2		705,509
SD008	Alarm not activated - AC power not connected or off	16	8	1	382,121
SD009	Alarm not activated - mechanical failure	15	1	1	368,827
SD010	Alarm not activated - unknown	309	19	3	9,483,380
SD011	Not applicable eg. outside area	2,907	51	4	15,545,082
SD099	Smoke alarm operation unknown	1,555	10	8	12,119,829
	TOTALS	7,667	343	58	109,834,964
SP	SPRINKLER PROTECTION				
SP000	Sprinkler protection unknown	1,526	5	1	11,029,553
SP001	Complete sprinkler protection - supervised or standard watchman	58	6		484,289
SP002	Complete sprinkler protection - alarm to fire department	37	3		2,128,265
SP003	Complete sprinkler protection - unsupervised, local alarms only	95	8		3,312,816
SP004	Partial sprinkler protection - supervised or standard watchman	13		1	120,831
SP005	Partial sprinkler protection - alarm to fire department	24	1		162,200

FIRE LOSSES IN BRITISH COLUMBIA, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
SP006	Partial sprinkler protection - unsupervised, local alarms only	120	9	2	1,939,561
SP007	No sprinkler protection	3,048	262	49	76,925,257
SP008	Not applicable, eg. vehicle, outside area, etc.	2,737	49	5	13,656,359
SP009	Sprinkler protection - unclassified	9			75,833
	TOTALS	7,667	343	58	109,834,964
TI	TIME OF DAY				
TI000	Time 0000-0059 hrs	219	2	1	3,812,131
TI001	Time 0100-0159 hrs	319	17	6	10,577,655
TI002	Time 0200-0259 hrs	247	11	4	7,368,124
TI003	Time 0300-0359 hrs	266	27	3	6,975,503
TI004	Time 0400-0459 hrs	201	26	5	2,993,513
TI005	Time 0500-0559 hrs	177	14	4	2,894,034
TI006	Time 0600-0659 hrs	171	13	4	3,759,443
TI007	Time 0700-0759 hrs	174	2	1	2,944,668
TI008	Time 0800-0859 hrs	244	11	2	3,790,829
TI009	Time 0900-0959 hrs	263	8	1	4,653,555
TI010	Time 1000-1059 hrs	272	14		2,591,616
TI011	Time 1100-1159 hrs	334	11	2	3,632,422
TI012	Time 1200-1259 hrs	328	13	2	6,557,115
TI013	Time 1300-1359 hrs	328	14	2	2,821,815
TI014	Time 1400-1459 hrs	357	24	2	4,145,777
TI015	Time 1500-1559 hrs	379	10	1	3,019,248
TI016	Time 1600-1659 hrs	421	13	2	3,854,134
TI017	Time 1700-1759 hrs	413	20	1	4,187,467
TI018	Time 1800-1859 hrs	441	16	1	5,582,220
TI019	Time 1900-1959 hrs	332	13	1	3,753,481
TI020	Time 2000-2059 hrs	330	15	3	3,752,182
TI021	Time 2100-2159 hrs	313	17	1	3,523,025
TI022	Time 2200-2259 hrs	272	17	1	3,905,796
TI023	Time 2300-2359 hrs	298	14	6	4,364,167
TI099	Time unknown	568	1	2	4,375,044
	TOTALS	7,667	343	58	109,834,964
WD	DAY OF WEEK				
WD001	Sunday	1,142	54	9	17,127,062
WD002	Monday	1,013	43	3	11,938,652
WD003	Tuesday	1,048	41	6	16,512,520
WD004	Wednesday	1,050	38	8	14,356,369
WD005	Thursday	1,051	54	13	16,152,020
WD006	Friday	1,180	47	11	19,165,520
WD007	Saturday	1,183	66	8	14,582,821
	TOTALS	7,667	343	58	109,834,964

CIRCUMSTANCES CONTRIBUTING TO FIRE CASUALTIES, 1986

CODE	DESCRIPTION	FIRES	INJ	DEAD	$ LOSS
	CONDITION OF CASUALTY	136	175		6,494,708
		54	63		1,542,032
FC010	Condition of casualty unknown	85	94	19	3,964,741
FC011	Asleep at time of fire	50	56	15	2,051,881
FC012	Bedridden or other physical handicap	5	4	2	84,114
FC013	Impairment by alcohol, drugs or medication	24	12	17	961,092
FC014	Awake or no physical or mental impairment at time of fire	120	135	3	5,803,209
FC016	Too young to react to fire	5	4	2	96,413
FC017	Mental handicap (senile)	2	2		2,005
FC018	Left unattended (infant)	1	1		2,018
FC019	Condition of casualty - unclassified	26	35		1,347,007
	ACTION OF CASUALTY				
FC020	Action of casualty unknown	97	93	36	4,668,575
FC021	Injured while attempting to escape	40	47	3	1,600,726
FC022	Over exertion or heart attack	2	2		30,200
FC023	Voluntarily entered or remained for rescue purpose	15	17	1	405,555
FC024	Voluntarily entered or remained for fire fighting	93	108	2	5,361,452
FC025	Voluntarily entered or remained to save personal property	3	3		40,600
FC026	Loss of judgement or panic	14	12	3	364,264
FC027	Received delayed warning	7	4	3	208,176
FC028	Did not act	24	23	7	686,381
FC029	Action of casualty - unclassified	33	34	3	1,480,984
	IGNITION OF FABRIC				
FC030	Ignition of clothing or fabric not applicable	227	272	34	11,944,965
FC031	Outer clothing	32	32	7	701,790
FC032	Sleepwear	4	3	1	3,015
FC033	Underclothing	2	1	2	56,859
FC035	Bedding and bed linen	6	3	3	157,935
FC036	Mattress or pillow	7	6	1	16,319
FC037	Upholstered furniture	10	6	5	348,878
FC038	Rugs	2	2		5,517
FC039	Ignition of clothing or fabrics - unclassified	20	18	5	620,413
	TYPE OF FABRIC				
FC040	Type of fabric or material not applicable	230	276	33	11,935,303
FC041	Cotton	15	12	4	262,222
FC042	Wool	2	2		300
FC043	Other natural fibre	3	2	1	150,000
FC045	Synthetic fibre	18	11	8	492,454
FC046	Mixture fibres	22	19	6	413,670
FC047	Rubber	1	1		9,000
FC048	Plastic or plastic foam	1		1	7,000
FC049	Type of fabric or material ignited - unclassified	20	20	5	673,242
	CAUSE OF FAILURE TO ESCAPE				
FC050	Cause of failure to escape unknown	108	110	33	4,880,409
FC051	Trapped by: Rapid spread of fire/ smoke through vertical openings	8	8	4	453,861
FC052	Trapped by: Rapid spread of fire/ smoke through horizontal openings	20	12	10	895,002
FC053	High flame spread of combustible finish of walls, ceilings or floors	8	4	5	583,544
FC055	Falling debris	2	2		65,350
FC056	Explosion	20	25	1	952,667
FC057	Exit locked, blocked or obstructed	1	1		85
FC058	Outdoor fire includes forest, brush	4	4		3,200
FC059	Cause of failure to escape - unclassified	148	177	5	6,706,749

SUMMARY OF FIRE LOSSES BY PROPERTY GROUPS, 1986

PROPERTY CLASS. CODES	PROPERTY GROUP	NO. OF FIRES	PERCENT OF TOTAL FIRES	$ LOSS	PERCENT OF TOTAL $ LOSS	INJURED	PERCENT OF TOTAL INJURED	DEAD	PERCENT OF TOTAL DEAD
	Assembly								
131-139	Educational	62	0.8	1,310,613	1.2	0	0.0	0	0.0
172-173	Nightclub, tavern	8	0.1	10,593	.0	0	0.0	0	0.0
171,174,179	Restaurant, eating establishment	88	1.1	4,748,422	4.3	8	2.3	0	0.0
111-129,141-169	Others	69	0.9	2,222,689	2.0	7	2.0	0	0.0
181-199									
	Institutional								
221-229	Home for aged	12	0.2	11,992	.0	0	0.0	0	0.0
231-249	Hospital, day-centre, home	21	0.3	100,518	0.1	5	1.5	0	0.0
211-219,299	Others	10	0.1	20,319	.0	2	0.6	0	0.0
	Residential								
311-319	One- & two-family dwelling	2511	32.8	39,680,068	36.1	144	42.0	30	51.7
321-329	Apartment	545	7.1	7,630,225	6.9	66	19.2	15	25.9
331-359	Hotel, motel, rooming house	113	1.5	3,212,604	2.9	14	4.1	1	1.7
361-369	Dormitory, bunkhouse	9	0.1	102,763	0.1	0	0.0	1	1.7
371	Mobile home	93	1.2	1,616,965	1.5	13	3.8	0	0.0
373-376	Recreational vehicle	80	1.0	639,361	0.6	2	0.6	0	0.0
372,377-399	Others	89	1.2	1,110,109	1.0	3	0.9	3	5.2
411-499	Business and personal service	62	0.8	2,527,987	2.3	7	2.0	1	1.7
511-599	Mercantile	165	2.2	6,630,851	6.0	13	3.8	2	3.4
611-699	Industrial manufacturing	179	2.3	11,899,315	10.8	5	1.5	0	0.0
711-799	Industrial storage	220	2.9	7,340,335	6.7	9	2.6	0	0.0
811-829,891	Outdoor property, pier, wharf	245	3.2	527,734	0.5	3	0.9	0	0.0
841-849	Watercraft	68	0.9	1,605,001	1.5	12	3.5	0	0.0
851-859	Rail transport and equipment	8	0.1	82,850	0.1	1	0.3	0	0.0
861	Automobile	2102	27.4	4,284,685	3.9	11	3.2	4	6.9
862-869,881-889	Other grd transport & special vehicle	655	8.5	5,478,156	5.0	6	1.7	0	0.0
871-879	Aircraft	3	.0	240,000	0.2	5	1.5	0	0.0
831-839,899	Remainder	250	3.3	6,800,809	6.2	7	2.0	1	1.7
911-999									
	TOTALS	7667	100.0	109,834,964	100.0	343	100.0	58	100.0

ARSON LOSSES BY PROPERTY GROUP, 1986

Property Classification Codes	Property Group	No. of Arson Fires 1985	No. of Arson Fires 1986	Incidence of Arson within Prop. Group (%) 1986	% of All Arson Fires in B.C. 1986	Dollar Loss 1985	Dollar Loss 1986	% of TOTAL Arson $ Loss 1986
	Assembly							
131-139	Educational	40	40	64.5	3.5	1,244,785	1,170,461	6.8
172-173	Nightclub, tavern	2	2	25.0	0.2	1,550	2,000	.0
171,174,179	Restaurant, eating establishment	14	10	11.3	0.9	466,804	840,916	4.9
111-129,141-169	Others	38	39	56.5	3.4	1,821,966	1,353,078	7.8
181-199								
	Institutional							
221-229	Home for aged	2	2	16.6	0.2	2,100	8,500	.0
231-249	Hospital, day-centre, home	5	6	28.5	0.5	3,268	46,562	0.3
211-219,299	Others	10	2	20.0	0.2	60,500	200	.0
	Residential							
311-319	One- & two-family dwelling	226	193	7.6	16.8	6,357,125	3,959,575	22.9
321-329	Apartment	102	84	15.4	7.3	1,248,323	628,377	3.6
331-359	Hotel, motel, rooming house	25	21	18.5	1.8	177,597	966,487	5.6
361-369	Dormitory, bunkhouse	1	1	11.1	0.1	200	32,142	0.2
371	Mobile home,mobile camp	17	7	6.1	0.6	286,907	74,215	0.4
373-376	Recreational vehicle	8	8	16.6	0.7	62,900	39,257	0.2
372,377-399	Others	13	12	12.0	1.0	22,933	41,788	0.2
411-499	Business and personal service	26	25	40.3	2.2	763,264	839,442	4.9
511-599	Mercantile	60	47	28.4	4.1	4,433,004	1,077,049	6.2
611-699	Industrial manufacturing	21	26	14.5	2.3	1,840,248	1,085,609	6.3
711-799	Industrial storage	96	88	40.0	7.6	628,666	1,566,782	9.1
811-829,891	Outdoor property, pier, wharf	132	100	40.9	8.7	192,317	406,881	2.4
841-849	Watercraft	6	4	5.8	0.3	193,325	187,750	1.1
851-859	Rail transport and equipment	2	2	25.0	0.2	10,000	5,850	.0
861	Automobile	205	275	13.0	23.9	582,311	767,575	4.4
862-869,881-889	Other grd tranport & special vehicle	63	96	14.6	8.3	432,119	548,456	3.2
871-879	Aircraft	1	0	0.0	0.0	14,000	0	0.0
831-839,899	Remainder	86	62	24.6	5.4	943,265	1,608,421	9.3
911-999								
	TOTALS	1,201	1,152		100.0	21,789,477	17,257,373	100.0

FIRES WITH LOSSES OF $500,000 AND OVER, BRITISH COLUMBIA 1986

DATE	LOCATION	PROPERTY CLASSIFICATION	ACT OR OMISSION	$ LOSS	INJ	DEATHS
860101	North Vancouver City	Restaurant	Misuse of equipment - unclassified	1,144,821		
860123	Stikine Region Reg.Dist.	Basic nonferrous metals manufacture	Act or omission unknown	3,500,000		
860207	Vancouver	Restaurant	Act or omission unknown	500,000		
860221	Tumbler Ridge	Coal mine	Accident	2,049,288		
860301	Ashcroft	Hotel, inn, lodge: year round use	Arson or set fire - motive unknown	764,000		
860409	Valemount	Sawmill, planing mill	Welding or cutting too close	2,500,000		
860425	Vancouver	Loose or bagged proc. foods storage	Act or omission unknown	1,500,000	2	
860428	Richmond	General business office	Arson or set fire - motive unknown	534,418		
860429	Fraser-Fort George Reg. Dist	Sawmill, planing mill	Act or omission unknown	750,000		
860616	Abbotsford	Shed	Cleaning, washing parts	564,500	1	
860622	Vancouver	Vacant property	Suspected set fire - motive unknown	706,248		
860624	Abbotsford	Apartment, townhouse: over 20 units	Act or omission unknown	1,834,824	1	
860629	Okanagan-Similkameen Reg.Dist.	Automobile	Automobile accident	520,095		
860809	Westside	High school	Arson or set fire - vandalism	1,000,000		
860829	Kamloops	Motor vehicle accessory sales	Act or omission unknown	800,000	1	
860923	Surrey	Misc. storage properties - unclassified	Misc. act or omission unclassified	650,000		
861012	Vancouver	Department store	Part failure, leak, break	1,000,000		
861023	Kelowna	Church, chapel	Arson or set fire - motive unknown	500,000		
861104	West Vancovuer	Hotel: transient dorm. type	Act or omission unknown	611,524		
861114	East Kootenay Reg. Dist.	Restaurant	Suspected set fire - motive unknown	600,000		
861118	Surrey	Misc. business and personal service	Part failure, leak, break	726,000		
861123	Prince George	Wood products storage	Inadequate control of open fire	2,000,000		
861125	Penticton	Dwelling year-round use (1-family)	Design deficiency	500,000		
861208	Langley	General warehouse	Arson or set fire - motive unknown	601,107		
24 incidents					5	0

10-YEAR PROPERTY FIRE LOSS COMPARISON, 1977 - 1986

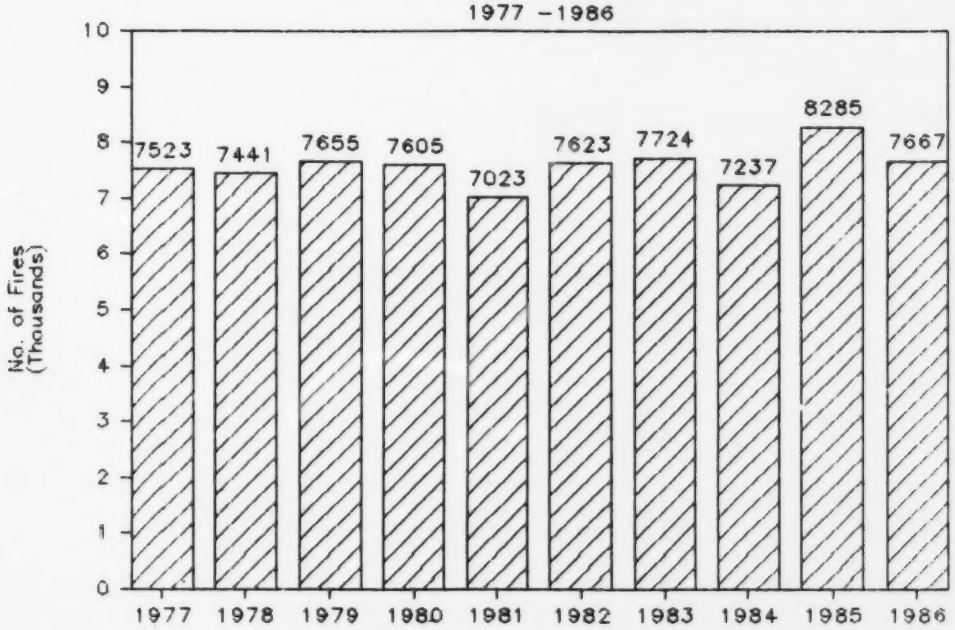
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
No. of Fires	7,523	7,441	7,655	7,605	7,023	7,623	7,724	7,237	8,285	7,667
Dollar Loss	$78,746,492	$81,596,417	$105,900,046	$108,664,176	$115,709,786	$157,296,688	$131,659,496	$108,859,185	$131,932,474	$109,834,964
Loss per Fire	$10,467	$10,966	$13,834	$14,289	$16,476	$20,634	$17,046	$15,042	$15,924	$14,326
Population (thousands)*	2,497.6	2,555.8	2,566.9	2,636.0	2,744.0	2,783.0	2,823.9	2,870.7	2,892.5	2,859.3
No. of Fires/1000 Persons	3.01	2.91	2.98	2.88	2.56	2.74	2.74	2.52	2.86	2.68
Per Capita Loss	$31.53	$31.93	$41.26	$41.22	$42.17	$56.52	$46.62	$37.92	$45.61	$38.41
CPI Adjustment Factor#	0.689	0.743	0.800	0.875	1.000	1.105	1.166	1.213	1.252	1.293
Loss Adjusted by CPI	$114,290,990	$109,820,211	$132,375,058	$124,187,630	$115,709,786	$142,349,944	$112,915,520	$89,743,763	$105,377,375	$84,945,834
Loss/Fire adj. by CPI	$15,192	$14,759	$17,293	$16,330	$16,476	$18,674	$14,619	$12,401	$12,719	$11,079
Per Capita Loss adjusted by CPI	$45.76	$42.97	$51.57	$47.11	$42.17	$51.15	$39.99	$31.26	$36.43	$29.71
Persons Injured	376	420	444	308	244	375	404	396	398	343
Fire Deaths	94	98	125	77	76	73	83	79	60	58
Deaths/100,000 Persons	3.76	3.83	4.87	2.92	2.77	2.62	2.94	2.75	2.07	2.03

* Population statistics were provided by Statistics Canada. The figures for 1981 and 1987 are actual census figures. The others are estimates by Statistics Canada.

Adjustment Factor. In an effort to get a more realistic picture of losses over the years, some form of adjustment factor is necessary to take inflation into consideration. We chose the Consumer Price Index for Vancouver with 1981 = 1.000

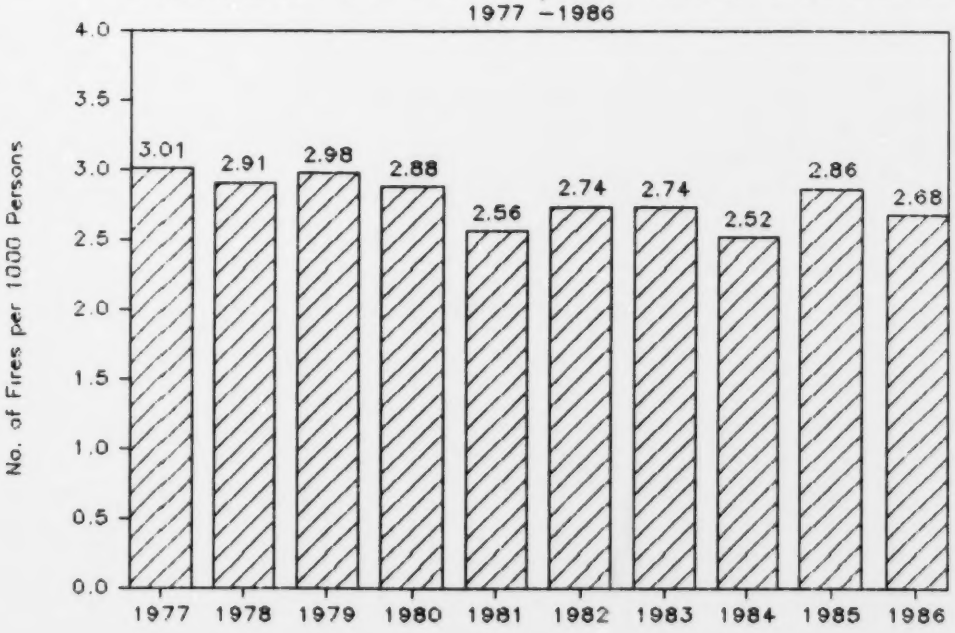
Number of Fires

1977 –1986



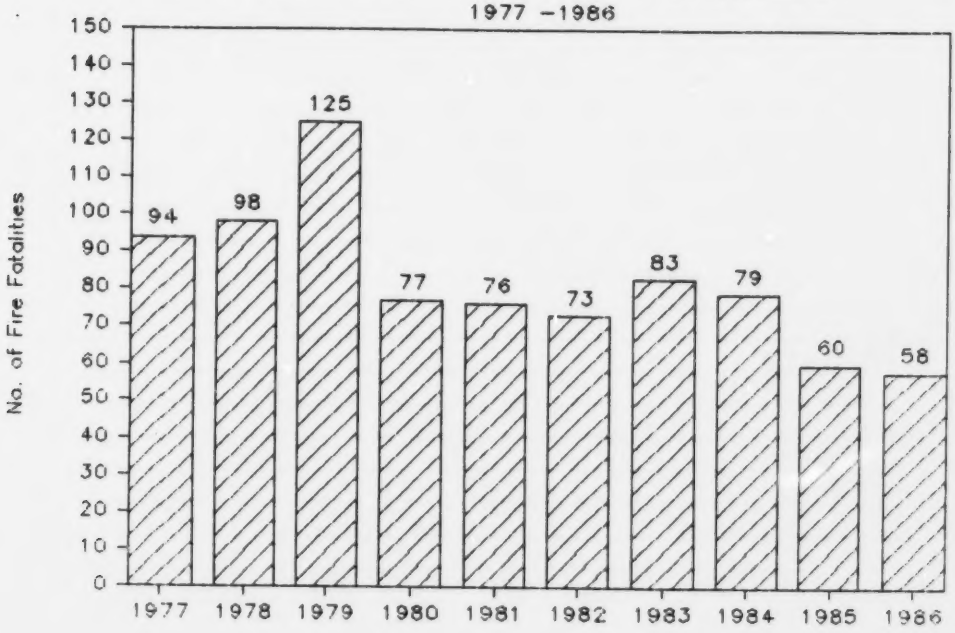
Number of Fires per 1000 Persons

1977 –1986



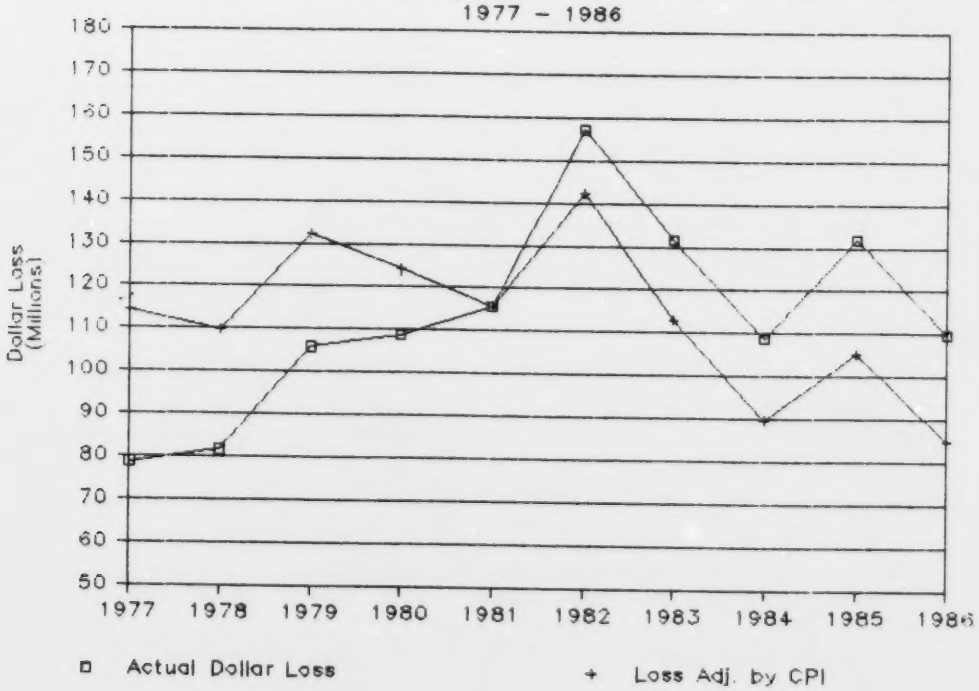
Number of Fire Fatalities

1977 –1986



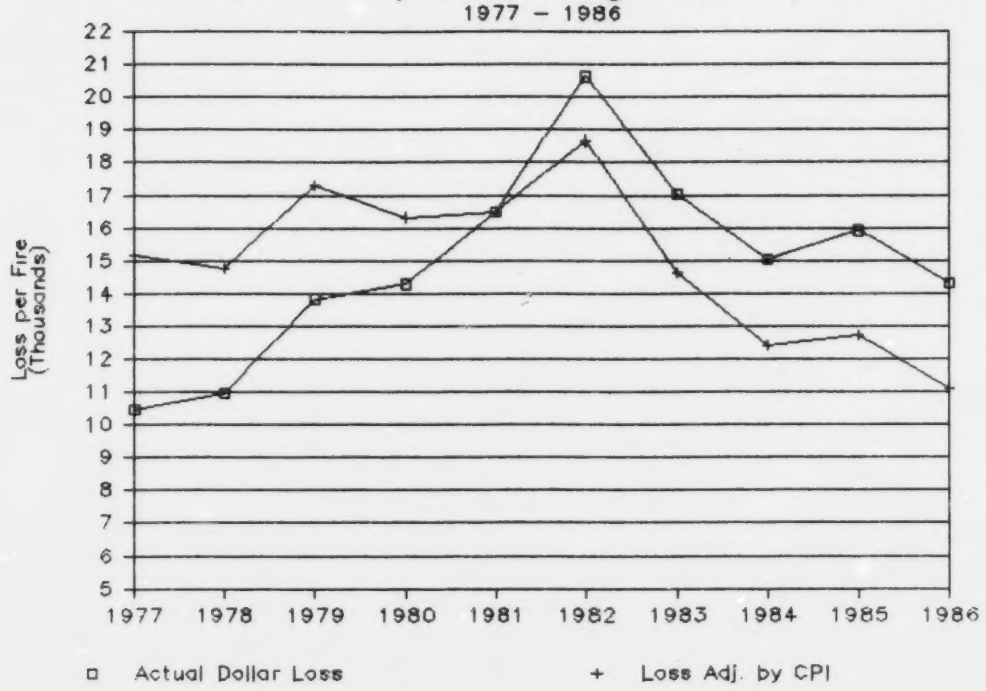
Actual & Adjusted Dollar Losses

1977 – 1986



Actual & Adjusted Avg. Loss per Fire

1977 – 1986



Actual & Adjusted Per Capita Loss

1977 – 1986